ZHDANOV, Viktor Mikhaylovich; SOLOV'YEV, Vladimir Dmitriyevich; EPSHTEYN,

Fedor Grigor'yevich. Prinimali uchastiye: GORBUNOVA, A.S.; FADEYEVA,

L.L.; ZAKSTEL'SKAYA, L.Ya.; SACHKOV, V.I., red.; BEL'CHIKOVA, Yu.S., tekhred.

[What we know about influenza] Uchenie o grippe. Moskva, Gos.izd-vo med.lit-ry, 1958. 581 p. (MIRA 13:4)

1. Institut virusologii imeni Ivanovskogo AMN SSSR (for Zhdanov, Solov'yev, Epshteyn). 2. Khar'kovskiy institut vaktsin i syvorotok imeni Mechnikova (for Zhdanov). 3. Moskovskiy institut vaktsin i syvorotok imeni Mechnikova (for Solov'yev).

(INFLUENZA)

GORBUNOVA, A.S.

Relation of influenza virus variability to the development of the pandemia of 1957. Vop.virus 3 no.4:196-201 Jl-Ag '58 (MIRA 11:9)

1. Institut virusologii imeni D.I. Ivanovakogo, Moskva.
(INFLUEZA VIRUSES.

A. variability, relation to world epidemic in 1957, review (Rus))

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4

ZHDANOV, V.M.; GORBUNOVA, A.S.

Resolution of the joint conference of institutes of the Academy of Medicine of the U.S.S.R., September 25-28, 1958. Vop. virus. 4 no.1: 125-127 Ja-F 159. (MIRA 12:4) (INFIUENZA---CONGRESSES)

GOHBUNOVA, A.S.

A method for producing complement fixation antigens and corresponding antisera from soluble and viral fractions of influenza viruses (F. Lee antisera from soluble and viral fractions of influenza viruses (RISA 12:4) and W. Henle's technic). Vop. virus. 4 no.1:113-114 Ja-F '59. (MIRA 12:4) (COMPLEMENT.

fixation, antigens from influensa viruses (Rus))
(INFLUENZA VIRUS,
antigens for complement fixation (Rus))

GORBUNOVA, A.S. Antigenic relationship of influenza viruses of type A, Al and A2. Vop.virus. 4 no.4:401-406 J1-Ag 59. (MIRA 12:12)

> 1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva. (INFILIENZA VIRUSES, immunology)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

GORBUNOVA, A.

Conference of the Ivanovskii Institute of Virology on "Some results in studying the influenza epidemic of January-February 1959." Vop. virus. 4 no.5:627-629 S-0 159. (MIRA 13:2)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

×.

GORBUHOVA, A.S.; STAKHANOVA, V.M.; LOZHKINA, A.N.; OLLI, V.D.

Comparative effectiveness of the carbon dioxide. Vibrio comma filtrate, and potassium periodate methods of serum treatment in the elimination of nonspecific influenza virus A2 hemagglutination inhibitors. Vop. (MIRA 13:3) virus. 4 no.6:750-753 N-D 159.

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva, i Gosudarstvennyy nauchno-issledovatel'skiy institut mikrobiologii i epidemiologii Yugo-Vostoka SSSR, Saratov.

(IMMUNE SERUMS) (INFLUENZA VIRUSES immunol.) (HEMAGGLUTINATION)

GORBUNOVA, A.S.; LOZHKINA, A.N.; STAKHANOVA, V.M.; ISACHENKO, V.A.

Etiology of the influenza outbreak of 1959. Vest. AME SSSR 14 no.10:19-23 59. (MIRA 13:6)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR. (INFIJENZA)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

GORBUNOVA, A. S.

"On the classification of grippe virusses."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

GORBUNOYA, A.S., red.; SOKOLOV, M.I., red.; PETERSON, O.P., red.; POGO-SKINA, M.V., tekhn. red.

[Manual on the laboratory diagnosis of influenza, parainfluenzal and adenoviral diseases] Rukovodstvo po laboratornoi diagnostike grippa, paragrippoznykh i adenovirusnykh zabolevanii. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1960. 166 p. (MIRA 14:10) (INFLUENZA) (ADENOVIRUS INFECTIONS)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

· 人名英格兰 电影 (1)

VISHNEVSKAYA, G.O.; GORBUNOVA, A.S.; ZHELOBENKO, V.A.; FIALKOV, Yu.A.; SHEVCHENKO, O.I.; YAGUPOL'SKIY, L.M.

Synthesis of the preparation bilignost. Med. prom. 14 no.9:25-30 s '60. (MIRA 13:9)

1. Kiyevskiy khimiko-farmatsevticheskiy zavod im. M.V. Lomonosova. (ADIPIC ACID)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

GORBUNOVA, A.S.

Influenza and influenzal diseases. Sovimed. 24 no.6:3-9 Je 160. (MIRA 13:9) (INFLUENZA)

;

GORBUNOVA, A.S.

Data from a study of the etiology of influenze A2 (1959 epidemic). Vop. virus. 5 no. 6:643-648 N-D '60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva. (INFLUENZA)

GORBUNOVA, A.S.

"Laws governing the Variability of influenza virus."

Report submit ad for the 1st Intl. Congress on Respiratory Tract Diseases of Virus and Rickettsial Orgin. Prague, Czech. 23-27 May 1961

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

KHOU YUN'-DE [Hou Yun-tien]; GORBUNOVA, A.S.

Latent infection caused bu Sendai parainfluenza virus in laboratory animals. Report No.1: Isolation of Sendai virus from the lungs of white mice in the process of adaptation of A2/59 influenza virus to mice. Vop. virus 6 no.4:473-479 Jl-Ag '61. (MIRA 14:11)

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva. (INFLUENZA)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4

GORBUNOVA, A.S.

Inter-institute conference on influenza. Vop. virus. 6 no.5:634-635 S-0 '61. (INFLUENZA)

KHOU YUN DE [Hou Yun-t8]; GORBUNOVA, A.S.

Antigenic structure of 24 strains of parainfluenza virus type I Sendai. Vop. virus. 6 no.6:691-697 N-D '61. (MIRA 15:2)

l. Laboratoriya etiologii i diagnostiki grippa Irkutsa virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva. (INFLUENZA_MICROBIOLOGY) (ANTIGENS AND ANTIBODIES)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

GORBUNOVA, A.S.; KHOU YUN'-DE [Hou Yun-tê]

Specific thermolabile antihemagglutinins in the aerum of mice infected with parainfluenza virus, type I (Sendai). Vop.virus. 7 no.3:327-333 My-Je '61.

1. Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.
(INFLUENZA) (BLOOD-AGGLUTINATION)

GORBUNOVA, A. S.

On the question of the variability of influenza virus. J. hyg. epidem. 6 no.2:151-153 62.

1. Ivanovsky Institute of Virology, Academy of Medical Sciences of U.S.S.R., Moscow.

(INFLUENZA VIRUSES)

HO YUN_DE; GORBUNOVA, A.S.

Investigations into syncytium formation in cultures of stable cell lines infected with parainfluenza L virus. I. Comparison of the syncytium forming ability of the Vladivostok and Japanese variants of virus and some other factors related to this phenomenon. Acta virol. 6 no.3:193-201 My !62.

1. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.
(VIRUSES culture) (TISSUE CULTURE)

BUKRINSKAYA, A. G.; HO YUN-DE; GORBUNOVA, A. S.

Further investigations on the antigenic relationships between type 2 haemadsorption (Ha-2) and Sendai viruses. Acta virol. (Praha)[Eng] 6 no.4:352-356 Jl 162.

1. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

(VIRUSES immunol) (ANTIGENS)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

THE RESERVE OF THE PROPERTY OF

KHOU YUN'-DE [Hou Yun-te]; GORBUNOVA, A.S.

Latent infection caused by para-influenza virus Sendai in laboratory animals. Report No.2: Experimental latent infection in mice. Vop. virus 7 no.1:111-115 Ja-F '62. (MIRA 15:3)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva. (INFLUENZA)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

GORBUNOVA, A.S.; HO YUN-DE; YERSHOV, F.I.

Investigations into syncytium formation in cultures of stable cell lines infected with parainfluenza l virus. III. Characteristics of syncytia formed during passaging of virus carrier cells. Acta virol. 7 no.4:308-315 Jl 63.

1. Ivanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

(PARA_INFLUENZA VIRUSES) (TISSUE CULTURE)

(CYTOLOGY) (PATHOLOGY) (HEMAGGLUTINATION)

(COMPLEMENT FIXATION TESTS) (PRECIPITIN TESTS)

(GEL DIFFUSION TESTS)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

YERSHOV, F.I.; HO YUN-DE; GORBUNOVA, A.S.

Investigations into syncytium formation in cultures of stable cell lines infected with parainfluenza 1 virus. IV. Cytochemical studies on the formation of A and B type synctia. Acta virol. 7 no.4:316-321 J1 163.

1. Iwanovsky Institute of Virology, U.S.S.R. Academy of Medical Sciences, Moscow.

(PARA-INFLUENZA VIRUSES) (CITOLOGY) (CHEMISTRY)

(TISSUE CULTURE) (MICROSCOPY, FLUORESCENCE)

(STAINS AND STAINING) (FLUORESCENT ANTIBODY TECHNIC)

MITCHENKO, V.P.; GORBUNOVA, A.S.

Mechanism of the interaction of influenza virus with susceptible tissues. Report no.2: Nonspecific inhibitos of influenza virus in secretions of the mucous membranes of the respiratory tract of different animal specie and their significance for the adsorption of the virus on susceptible cells. Vop. virus 8 no.1:44-48 Ja-F:63. (MIRA 16:6)

1. Institut infektsionnykh bolezney AMN SSSR, Kiyev, i Institut virusologii imeni D.I.Ivanovskogo AMN SSSR, Moskva. (INFLUENZA VIRUSES) (RESPIRATORY ORGANS) (BLOOD—AGGLUTINATION)

GORBUNOVA, Anna Sergeyevna; KOU YUN'-DE [Hou Yun-Tieh]; YERSHOV, F.I., red.; MIRONOVA, A.M., tekhn. red.

[Sendai virus, the pathogen of influenzalike diseases in man and animals] Virus Sendai-vozbuditel' grippopodobnykh zabolevanii cheloveka i zhivotnykh. Moskva, Izd-vo "Meditsina," 1964. 194 p. (MIRA 17:3)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

GORBUNOVA, A.S., doktor med. nauk, prof.

Influenza viruses. Virusy i virus. zabol. no.1:43-63 464. (MIRA 18:2)

IRZHANOV, S.D.; GORBUNOVA, A.S.

Nature of the multiplication of A2 and B influenza viruses in monolayer culture of guinea pig embryonic kidneys. Vop. virus 9 no.4:429-434 Jl-Ag '64. (MIRA 18:7)

1. Institut virusologii imeni D.T. Ivanovskogo AMN SSSR, Moskva.

SELIVANOV, Ya.M.: MEN'SHIKH, L.K., TIKHONENKO, T.I., GORBUNOVA, A.S.; SOKOLOV, M.I.

Purification and fractionation of influenza virus by chromatography on aminoethylocallulose. Vop. virus. 9 no.5:550-555 S-0 164. (MIRA 18:6)

1. Inslitut virusologii imeni lvenovakogo AMN SSSR, Moskva.

ISACHENKO, V.A.; SMIRNOVA, G.A.; GORBUNOVA, A.S.

Isolation of an irribitor-sensitive variation from an inhibitor-resistant culture of A2 influenza virus by gel filtration on sephadex. Vop. virus. 10 no.1:97-99 Ja-F '65.

(MIRA 18:5)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

HEN'SHIKH, L.K.; SELIVANOV, Ya.M.; TIKHONENKO, T.I.; SOKOLOV, M.I.; GORBUNOVA, A.S.; ZHUANOV, V.M.

Use of ion-exchange chromatography for preparative production of purified influenza virus, Vop. virus. 10 no.3:302-307 My-Je 165. (MIRA 18:7)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4

ACC NR. AP6028726 (N) SOURCE CODE: UR/0402/66/000/004/0431/0435 AUTHOR: Sokovykh, L. I.; Gorbunova, A. S. ORG: Virology Institute im. D. I. Ivanovskiy, AMN SSSR, Moscow (Institut virusologii TITLE: Passive hemagglutination test. A special soluble influenza virus antigen SOURCE: Voprosy virusologii, no. 4, 1966, 431-435 TOPIC TAGS: virus, virus disease, influenza, virus antigen, passive hemagglutination ABSTRACT: The activity of four influenza virus (type A, strain PR8) antigens, V- and S-antigens, purified virus and destroyed virus, was determined by complement-fixation and passive-hemagglutination tests. Only the destroyed virus was active in passive hemagglutination, indicating that the sensitizing antigen is released from influenza virus particles after they have been destroyed by ether. This soluble influenza virus antigen — called sensibilizin — can sensitize tannintreated erythrocytes to agglutination by immune influenza sera. S-antigen does not so sensitize tannin-treated erythrocytes, although it is adsorbed by them. Immune influenza UDC: 616.921.5-07:616.15-097.34

Card 2/2

VOLKOVA, M.A.; DRITS, F.A.; MISHINA, R.G.; GORBUNOVA, A.Ya.; KRAL'KO, Ye.A.

Dispensary examination without restriction for the detection of pulmonary tuberculosis. Prob. tub. no.1: 10-14 '63.

(MIRA 16:5)

1. Iz Irkutskogo oblastnogo protivotuberkuleznogo dispansera (glavnyy vrach - dotsent M.A. Volkova)

(TUBERCULOSIS-PREVENTION)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4

GORBUNOVA, Delos inzhor FRADKINg FoRe, inzho

Signalization system using telephone communication lines.

Mekh. i avtom. proizv. 18 no.4s47-48 Ap*64. (MIRA 1785)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

BELOVA, Z.; GORBUNOVA, E.

Uniform list of workers' occupations. Sots. trud 6 no.7:60-63 Jl '61. (MIRA 16:7)

(Occupations-Classification)

GORBUNOVA, Eleonora [Harbunova, Eleanora]

Artificial kidney. Rab. i sial. 39 no.9:22 S '63. (MIRA 16:11)

PHASE I BOOK EXPLOITATION SOV/6181

Ural'skoye soveshchniye po spektroskopii. 3d, Sverdlovsk, 1960.

Materiely (Materiels of the Third Ural Conference on Spectroscopy) Sverdlovsk, Metallurgizdat, 1962. 197 p. Errata slip inserted. 3000 copies printed.

Sponsoring Agencies: Institut fiziki metallov Akademii nauk SSSR. Komissiya po spektroskopii; and Ural'skiy dom tekhniki VSNTO.

Eds. (Title page): 0. P. Skormyakov, A. B. Shayevich, and S. G. Bogomolov; Ed.: Gennadiy Pavlovich Skornyakov; Ed. of Publishing House: M. L. Kryzhova; Tech. Ed.: N. T. Mal'kova.

PURPOSE: The book, a collection of articles, is intended for staff members of spectral analysis laboratories in industry and scientific research organizations, as well as for students of related disciplines and for technologists utilizing analytical results.

Card 1/15

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Card 12/15

KOLPAKOV, Yu.D.; SKRIPOV, V.P.; CORBUNOVA, E.N.

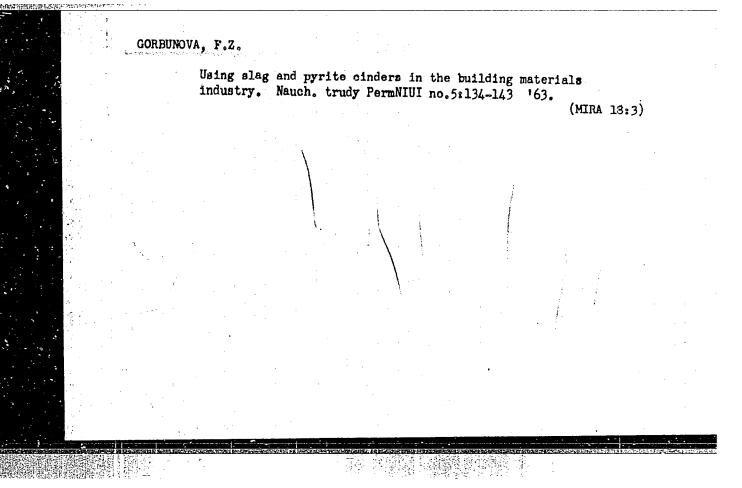
Scattering of light in carbonic acid and its relation to the equation of state. Ukr.fiz.zhur. 7 no.7:787-792 Jl '62.

(MIRA 12:15)

1. Ural'skiy politekhnicheskiy institut i Ural'skiy filial AN SSSR, g. Sverdlovsk.

(Light—Scattering) (Carbonic acid) (Equation of state)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"



ACC NRI AP7003008

SOURCE CODE: UR/0413/66/000/024/0156/0156

INVENTORS: Tolchinskiy, Ye. M.; Lebedev, A. V.; Gorbunova, G. I.; Dobrov, N. A.; Gusel'nikova, M. V.; Zagryadskiy, A. I.; Zazulin, V. A.; Podol'skaya, G. V.

ORG: none

TITLE: An automatic measuring and recording device "ERA". Class 42, No. 165597

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 156

TOPIC TAGS: measuring instrument, transistor, analog digital converter, logic element

ABSTRACT: This Author Certificate presents an automatic measuring and recording device "Era." The device contains a group relay commutator of the meters, grouped measuring amplifiers, an analog-digital converter with a zero-organ and a generator of stage voltages, and a directing unit. To connect a desired group to the analog-digital converter and to measure voltages of alternating signs, a logic commutator is connected to the outputs of the measuring amplifiers. This commutator contains transistor switches, the number of which is equal to twice the number of amplifiers. These switches are connected to the group counter and to the sign trigger. The input of the unity position of this trigger is connected to the directing unit, and the input of the zero position is connected with the output of the zero organ.

SUB CODE: 09/

SUBM DATE: 11Jul63

Card 1/1

UDC: 681.178.9

TITOVA, A.I., professor; GORBUNOVA, G.M.

Primary symptomatology and early diagnosis of acute poliomyelitis. Pediatriia no.3:23-26 My-Je 155 (MLRA 8:10)

1. Iz kafedry i kliniki (sav.prof. A.I.Titova) detskikh bolesney Yaroslavskogo meditsinskogo instituta. (POLIOMYELITIS, diag. early diag.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

BELOVASHINA, N.M.; GORBUNOVA, G.S.

Some evolutionary views of M.V.Lomonosov. Dokl. na nauch. konf.
1 no.4:29-33 '62. (MIRA 16:8)
(Lomonosov, Mikhail Vasil'evich, 1711-1765) (Evolution)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4

Dissertation: "The Chungs in Motosynthesis and Jertain Other Maysiclogical Processes During the Ontogenesis of a flux in Connection with Various Mayiromental Conditions." Cand Miol Sci. Inst of Parkay Arami V. L. Nos. 1984. Academic Noscow, Cet-Jac 53. (Vastnik Akademid Nauk, Moscow, Jun 54)

SO: SUR 313, 23 Dec 1954

CORBUNCIAL V.A. [deceased]; GORBUNOVA, G.S.

Ecological and physiological trend in the study of photosynthesis and its productivity. Trudy Inst.fiziol.rast. 10:139-149 '55. (MIRA 8:9)

1. Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR. (Photosynthesis)

GORBUNOVA, G.S.

Changes in photosynthesis and some other physiological processes during the ontogenic development of plants in connection with different environmental conditions. Trudy Bot.inst.Ser.4 no.11: 165-207 '56. (MIRA 9:9) (Photosynthesis) (Ontogeny (Botany))

DADYKIN, V.P.: GORBUNOVA, G.S.

Improving the method of "isolated temperatures." Bet. whur. 41 me.6:
858-861 Je '56. (MIRA 9:10)

1.Yakutskiy filial Akademii nsuk SSSR.
(Plants, Effect of temperature em) (Plants--Eutritiem)

CORBCINOVA, G.S

1-1

USSR/Plant Physiology - Photosynthesis.

Abs Jour

: Ref Zhur - Biol., No 5, 1958, 19911

Author

Gorbunova, G.S.

Inst

On the Question of Plant Photosynthesis under Condi-

Title

tions of Central Yakutia.

Orig Pub

Izv. vost. fil. AN USSR, 1957, No 1, 121-129

Abstract

: From the 20th of June to the 10th of July, the 24 hour course of assimilation (determined by the Saks modified method of halves) by Birch (Betula platyphylla) and wild rose (Rosa acicularis) had two maximums - in the morning and in the evening; at night accumulation proceeded at a slower tempo. In a monotypical course of curves the predominance of discharge over accumulation of material, and the absence of assimilation from midnight to 3 o'clock in the morning was observed in the Northern rose potato during the periods of blossoming

Card 1/2

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516120002-4"

М

USSR/Cultivated Plants - Grains

: Ref Zhur Biol., No 18, 1958, 82257 Abs Jour

Dadykin, V.P., Gorbanova, G.S.

A thor Inst Title

: Discussion of the Article, Effect of Slight Variations

in Soil Temperature on the Development and Yield of

Brain Crops" by D.V. Ippolotov, F.Ye. Kolyasev

Orig Pub

: Botan. zh., 1957, 42, No 3, 475-479

Abstract

The high indices of differences in the development of plants, cited in the F.Ye. Kolyasev and D.V. Ippolitov article (Bot. Zh. 5, 1956), arising allegedly as the result of a one-degree difference in soil temperature, are subjected to serious doubt in the review. The authors of the review compare the D.V. Ippolitov and F.Ye. Kolyasev data with similar data of their own experiments for the past three years, and also with information available in the literat re, and come to a conclusion

Card 1/2

AUTHOR TITLE

20-1-52/54 DADYKIN, V.P., STANKO, S.A., GORBUNOVA, G.S., and IGUMNOVA, Z.S. Light Assimilation by Plants at Yakutsk and Tikei (Ob usvoyenii sveta rasteniyami v Yakutske i Tiksi. Russian) Doklady Akademii Nauk SSSR, 1957, Vol 115, Nr 1 , pp 190-192 (U.S.S.R)

PERIODICAL

ABSTRACT

The idea of "optic assimilation" of plants of K.A. Timiryazev which was proved and developed especially by austrobotany, served as a starting point for the organization and realization of the research work on the optic characteristics of plants growing under different temperature conditions of air and soil. The experimental areas were

at Yakutsk (62° North lat.) and Tixi (71,6° North lat.). The weather conditions are mentioned in table 1. The optical characteristics of the plants were found by means of the method of relative spectrophotometry using a quartz-spectrograph (Tikhov) with a resolving power of 1: 20 and a linear dispersion in the area of K and H of 11,3 M/mm. The spectrographic work was carried out under ratural conditions of growth with cloudless sky, at the moment of the highest position of the sun and with the exposure of lo seconds. Fig. 1 shows all 3 reflection-, penetration- and absorption curves of solar energy through radies plants. The reflection curve at Yakutsk is higher than that of Tiksi. The enrgy reflection here is higher because of more favourable temperature conditions. An exception is formed by a narrow band of the

Card 1/3

20-1-52/54

Light Assimilation by Plants at Yakutsk and Tiksi

spectrum in the 1 660 µ m zone where the reflection magnitude of Tiksi is greater than that of Yakutsk. Also the penetration curve through the leaves is in almost any part higher than that of Tixi. The greatest difference is to be found in the section of long ultraviolet, green, yellow and orangecolored rays. An exception is the narrow band of red rays (650 - 660 u m) where the penetration in Tixi was greater than that of Yakutsk. The most interesting picture is demonstrated in the case of a comparison of the absorption of radiation energy. Almost over the whole wavediapason the plants of Yakutsk absorb remarkably less solar energy than those of Tiked. The latter absorb 70 - 80 % even in the green part of the spectrum. The red--orange-yellow part is absorbed up to from 80 - 90 %. Especially significant is the absorption of the far red rays and of near infrared radiation which is classified as abiotic. Most essential seems the remarkably greater total absorption of solar ray energy by the plants of Tixi compared with those of Yakutsk. It proves a better utilization by plants growing under hard temperature conditions of air and soil. It seems probable that the reformation of bio-chemical processes in the internal part of the plants occurring under the influence of low outer temperature and accompanied by a change of the

理事實際 医紫

Card 2/3

20-1-52/54

Light Assimilation by Plants at Yakutsk and Tiksi

pigment apparatus makes a complete utilization of solar energy possible. It may be that it is just this energy of the plants that makes possible thewater absorption together with nutrition from a soil with very low temperature. Also the assimilation activity of the same plants was found. The daily production of dry substance was 1,5 times greater in the case of the Tixi plants than in the case of Yakutsk plants. Goncharik calls this "intensity of light nutrition" in the case of potatoes and cabbage. The spectrographic method made possible to interpret this intensity and to determine a complete utilization of sun rays by the plants of the high North, among it of the infrared part. (1 illustration, 2 tables and 5 Slavic references).

ASSOCIATION

Branch of the Academy of Sciences of the U.S.S.R.

(Yakutskiy filial Akademii nauk SSSR)

PRESENTED BY SUBMITTED

KURSANOV, A.L., Academician, April 29, 1957 10.12.1956

AVAILABLE

Library of Congress

Card 3/3

GORBUNOVA, G.S.; PARSHINA, Z.S.; BEDENKO, V.P.

Optical properties and photosynthesis of some cultivated and wild plants as related to ecological conditions. Trudy Sekt. astrobot.

All Kasakh. SSR 8:31-45 '60. (NIRA 13:12)

(Plants--Optical properties)

(Photosynthesis)

GORBUNOVA, K.A.

Analyzing the formation of karst breccia in the eastern wing of the Ufa Upland from the hydrogeological viewpoint. Izv. vys. ucheb. zav.; geol, i razved. 3 no. 10:89-92 0 60. (MIRA 13:12)

1. Permskiy gosudarstvennyy universitet imeni A.M. Gor'kogo. (Ufa Upland--Breccia)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

GORBUNOVA, G.S.; KORCHINSKAYA, Ye.I.

Using potassium ammonium phosphate, a new chlorine-free fertilizer, on loamy Solonchak soils in central Yakutia. Nauch. soob. IAFAN SSSR no.3:71-78 '60. (MIRA 16:3) (Yakutia-Fertilizers and manures) (Yakutia-Solonchak soils)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4

7	GORBUNOVA, I.G.	
		KUCHEROY, N.V
		9(7) h PRAKE I BOOK KEPLOTPAPION BOV/1753
		. Loningrad. Clarmaya geoffsicheskaya cheerratoriya
		Voprosy fisiki prisemogo sloya voshubba (Problems in the Physics of the Near-Gurface Air Layer) Lemingred, Olfarmetecindat, 1950, 186 per (Series: Its: Trudy, vyp. 77) 1,300 copies printed.
		Sycasoring Agency: USSR. Claracye apreviously giárometeorologiebeskay
		Bd. (title page): D.L. Leythtman, Doctor of Physical and Mathematical Sciences; Ed. (incide book): Tu.V. Viasova; Took. Ed.: A.H. Surpeyer
•		PURFORE: This collection of articles is intended for scientists interested in the processes that take place in the bonder layer of the atmosphere.
		COVERUGE: This publication contains 13 articles dealing with the physical processes of mean-surface air messes. The research work was done in 1956. The beats work is related to the formation of hourirost and fog and to the effect of the consistion processes on thermal conditions. Some articles deal with the nethods for measuring and computing the main meteorologic features of the mean surface card 1/A air messes, others with the problem of atmospheric turbulence. The articles are elucidated with chartles diagrams, and tables.
	to de la companya de	Sheardhea, V.A. The Relation Between the Horrstehle Pressure Finish and the Wind Distribution in a Boundary Layer
		Farmopol'skiy, A.O. Common Determination of the Neture of Metoeralagie: Elemente and of the Specific Quantitative Features in a Atmospheric 78
		Tourisin, S.Es. Cortain Notheds for Systemisting the Southistings of Sortiousal Turbulent Diffusion
		Gorbunovs, I.G., T.V.S'yeshkovs, and E.V. Seruvs. Bosulte of the Hearsteam of Specific Themsekyestell Prophetics of Soil Coder Batural Conditions
	ō	Onniis, L.S., and R.S. Salerspikik. The Sistribution of Industrial Section 1985
		Care 5/4
NAME OF PAPER OF THE	MAKASARA BARSA BARSA KARANCA SANTAN SANTAN	

GORBUNOVA, I.G.; D'YACHKOVA, T.V.; SKROVA, N.V.

Some results of measuring thermophysical characteristics of soil under natural conditions. Trudy GGO no.77:79-83 '58.

(MIRA 12:4)

(Soil temperature)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4

GORBUNOVA, I.G.; SEROVA, N.V.

Thermophysical characteristics and moisture of soils. Trudy GGO no.107:44-46 '61. (MIRA 14:10) (Soils-Thermal properties) (Soil moisture)

GORBUNOVA, I.G.

Some preliminary results of the calculation of irrigation conditions based on meteorological data. Trudy GGO no.144: 202-208 163. (MIRA 17:6)

GORBUNOVA, I.G.

Preliminary results of studies in Voyeykovo of errors in measuring liquid precipitation. Trudy GGO no.175:132-142 '65. (MIRA 18:8)

1. Clavnaya geofizicheskaya observatoriya im. A.I.Voyeykova, Ieningrad.

ACC NR. AP7000284 (N) SOURCE CODE: UR/0050/66/000/011/0053/0057

AUTHOR: Struzer, L. R. (Candidate of physico-mathematical sciences); Golubev, V. S.; Gorbunova, I. G.

ORG: Main Geophysical Observatory (Glavnaya geofizicheskaya observatoriya); State Hydrological Institute (Gosudarstvennyy gidrologicheskiy institut)

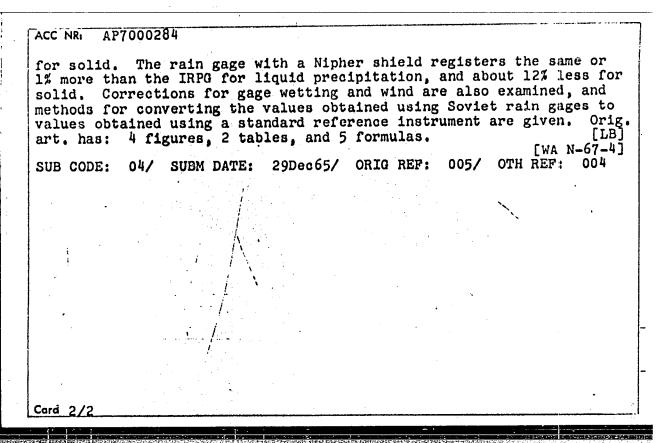
TITLE: Preliminary results of precipitation-gage comparisons

SOURCE: Meteorologiya i gidrologiya, no. 11, 1966, 53-57

TOPIC TAGS: rain, atmospheric precipitation, rain gage, precipitation gage, pluviograph, snow, mereorexogic instrument

ABSTRACT: The preliminary results of rain-gage comparison tests run during 1963—1965 using the international reference precipitation gage (IRPG), Tret'yakov precipitation gages, rain gages with Nipher shields, and pluviographs are presented. The tests began on 1 July 1963 in Omsk and on 1 September 1963 at the rain-gage test range in Valday. Tabular data given in the article show that the relationship between the readings of the standard Soviet gages and of the IRPG is different for liquid and solid precipitation. The Tret'yakov gage registers 3% less than the IRPG for liquid precipitation and 3% more

Cord 1/2 UDC: 551.508.77



GORBUNOVA, I. M. and N. A. ROKOTOVA

"The Influence of Small Doses of Ionizing Radiation on the State of Biological Objects."

report presented at the Conference on influence of Ionizing Radiation upon the Higher Developed Parts of the Central Herve System, Inst. of Higher Hervous Activity, AS USSR. 8 6-10 May 1958.

AUTHORS:

Roketova, N. A., Gorbunova, I. M.

20-119-5-57/59

TITLE:

On Reflectory Changes in the Motor Activity of the Small Intestine Under the Influence of Chemical Stimulating Substances and of β -Rays Upon Its Mucous Membrane (O reflektornykh izmeneniyakh motoriki tonkogo kishechnika pri vozdejstvii na yego slizistuyu khimicheskikh razdrazhiteley i beta-luchey)

PERIODICAL:

Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 5,

pp. 1046 - 1049 (USSR)

ABSTRACT:

Publications on this problem are very scarce (References 1,2). The authors in the present paper tried to investigate the reflectory reactions due to the stimulation of the mucous membrane on the basis of another, functionally nearer index, namely on the basis of the motor activity of the same portion of intestine. They used 32 cats for this. A portion 4-6 cm in length was separated from the small intestine, where vessels and nerves were spared. The portion of intestine was slit up in a longitudinal direction, inverted and the slit was sewn together. Solutions of acetylcholine, KCl, NaH2PO4 and alcohol

Card 1/4

of different concentrations were used for stimulation. After

20-119-5-57/59

On Reflectory Changes in the Motor Activity of the Small Intestine Under the Influence of Chemical Stimulating Substances and of β -Rays Upon Its Mucous Membrane

30-60 seconds the rest of the stimulating substances was washed off the mucous membrane with a warm physiological sodium-chloride solution. The influence of the ionizing radiation was investigated by means of a flat applicator with P32. Results: The animals were subjected to the experiments at different moments after feeding, therefore the motor activity of the intestine was different or entirely absent. Therefore the motions were caused by the intravenous introduction of sodium citrate. Some minutes later the above mentioned stimulation of the intestine was performed. This mostly led to an inhibition of the motions of intestine and to a pressor reaction upon the blood pressure. The reflectory nature of this inhibition is beyond doubt. The effect produced by the applicator with P32 was the same. There are 4 figures and 2 references,

Card 2/3

Inst. Physiology in 1. P. Parlor AS USSR

AUTHORS:

Gorbunova, I. M., Rokotova, N. A.

SOV/20-120-4-65/67

TITLE:

Conditioned Reflexes in Dogs Subjected to Local β-Irradiation of Strictly Limited Areas of Their Skins or Mucous Membranes (Uslovnyye refleksy u sobak pri mestnom beta-obluchenii ograni-

chennykh uchastkov kozhi ili slizistoy)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 4,

pp. 922 - 925 (USSR)

ABSTRACT:

As is known ionizing radiation (mainly referred to as X-rays) causes changes of the reflex activity under certain conditions (Refs 1-3, 7,8 and others). Most observations are concerned with a suppression of the reflex which lasts for several days after the irradiation. The direct causes of the reflex changes under certain conditions become unclear in the course of a long latent period. The investigations of this influence do not sufficiently clarify the mechanisms which are inserted in the realisation of the conditioned reaction reflex in the case of an influence of ionizing radiation. In the case of total

irradiation the question cannot be answered whether the radiation

Card 1/3

exerts an influence on the receptors, conductors or centers.

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Conditioned Reflexes in Dogs Subjected to Local β - SOV/20-120-4-65/67 -Irradiation of Strictly Limited Areas of Their Skins or Mucous Membranes

Furthermore the commonly applied doses damage various tissues and systems and lead to radiation diseases. The investigations were carried out with 3 dogs. They showed certain motoric nutritional reflexes. A small part of the skin of the animals' thighs or intestinal mucosa was irradiated with soft β -radiation. For this purpose a flat applicator of p^{32} - β -radiation was used. Thus those layers of the skin surface were irradiated where the receptor endings lie. All other tissues were not irradiated. The applied doses were selected in such a way (equivalent to 2 r) that no damages of tissue could be caused. From the results of the experiments the following conclusions may be drawn: 1) β-irradiation of mentioned intensity exerts an influence on the receptors of the skin or of the mucosa and changes the state of the conditioned reflex of the irradiated surface. 2) Assa result of such an irradiation an irritation: of the receptors takes place which in case of a repeated influence of a mechanical irritation passes into the state of hypoliminal inhibition (zapredel'noye). The influence of a locally applied β -irradiation upon the conditioned reflexes is directly caused by changed

Card 2/3

Conditioned Reflexes in Dogs Subjected to Local SOY/20-120-4-65/67 β -Irradiation of Strictly Limited Areas of Their Skins or Mucous Membranes

reflexes of the irradiated surfaces. There are 4 figures and

9 references, 8 of which are Soviet.

ASSOCIATION: Institut fiziologii im.I.P.Pavlova Akademii nauk SSSR

(Institute of Physiology imeni I.P.Pavlov AS USSR)

PRESENTED: January 29, 1958, by K.M.Bykov, Member, Academy of Sciences,

USSR

SUBMITTED: January 29, 1958

1. Skin-Effects of radiation 2. Beta rays-Physiological effects

3. Intestine-Effects of radiation

Card 3/3

GORBUNOVA, I.M.; ROKOTOVA, N.A.

Analysis of the mechanisms of distribunce of the conditioned reflex function of the central nervous system due to ionizing radiation.

Trudy Inst.fiziol. 8:254-260 159. (MIRA 13:5)

1. Laboratoriya nevro-fiziologicheskikh problem (zaveduyushchiy - K.M. Bykov [deceased] Instituta fiziologii im. I.P. Pavlova AN

(CONDITIONED RESPONSE) (BETA RAYS--PHYSIOLOGICAL REFECT)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

Antonio in partiri se propincio del Salario del Salari

ROKOTOVA, N.A.; GORBUHOVA, I.M.

Reflexogenic functions of iliofemoral veins. Fiziol.zhur. 45 no.9: 1110-1117 S '59. (MIRA 13:1)

1. Laboratoriya nevrofiziologicheskikh problem Instituta fiziologii im. I.P. Pavlova AN SSSR, Leningrad.

(BLOOD PRESSURE physiol.)

(ILIAC VRIN physiol.)

(FRMORAL VEIN physiol.)

ROKOTOVA, N.A.; GORBUNOVA, I.M.

Reflexogenic function of the femorofliac veins. Fiziol.shur. 46 no.1:71-77 Ja *60. (MIRA 13:5)

l. From the laboratory of neurophysological problems, I.P. Pavlov Institute of Physiology, Leningrad.

(FENORAL VEIN physiol.)

(ILIAC VENI physiol.)

(BLOOD PRESSURE physiol.)

L 11373-67 EWT(1)DD/QD SCTB ACC NR AT6036500 SOURCE CODE: UR/0000/66/000/000/0068/0069 Bogina, I. D.; Gorbunova, I. M.; Rogovenko, Ye. S.; Rokotova, N. A. AUTHOR: ORG: none TITLE: Psychophysiological characteristics of a sequence of movements in man [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966] SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 68-69 TOPIC TAGS: psychophysiology; space psychology, man machine communication ABSTRACT: The problem of the present study was to obtain evidence of the creation of human internal criteria during action-sequence instruction and to observe the process of obeying these criteria. Tests took place on experimental panels with swiches and keys; subjects were instructed and then ordered to repeat various predetermined sequences which consisted of pressing and transferring the hand. The tests were conducted on healthy adult volunteers of both sexes aged 17-45, with intermediate or higher education. Cord 1/3

<u>L 11373-67</u>

ACC NR. AT6036500

In tests on 16 subjects, instruction for a sequence of 8 and 16 switch applications was studied (panel with 12 switches) using a search method and the free selection of each action from any three. During instruction it was noted that subjects choose the type of action sequence which occurs when the direction of hand transfer is constant. In tests on 75 subjects, it was found that the preceding direction of hand motion dictates the choice of the subsequent action.

Results of these tests indicate that the process of instructing action sequence is a process of choice and the development of internal criteria, which in these tests was the direction of motion of the hand over the panel.

In tests on 30 subjects, the execution rate of a preinstructed sequence of maneuvers using panel switches and the speed of hand percussion on a panel key were studied. It was found that the time required to execute one motor cycle in a free choice situation is maintained at a high level (mean error does not exceed 0.01 of the value of the mean relative error; $\frac{\sigma}{x}$.100 fluctuates from 2-5%). Analysis of these data revealed a complete conformance with MacGill's model, which considers the

Card 2/3

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operation of a mechanism generating a time interval. It was also observed that the fluctuation of intervals corresponds to fluctuations at the output of a system provided with feedback assuring error compensation.

These studies indicate that one internal criterion which controls action sequence is the time interval taken to complete a motor cycle and that a uniform speed of motion is associated with the process of conforming to this interval. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06, 05 / SUBM DATE: 00May66

Cord 3/3

GORBUNOVA, I.V.

Detailed study of the seismicity of the northern Tien Shan. Trudy Inst. fiz. Zem. no.25:312-324 '62. (MIRA 15:11) (Tien Shan--Seismometry)

DZHANUZAKOV, K.; GORBUNOVA, I.V.

The Son Kul' earthquake of October 13, 1958. Izv. AN Kir. SSR. Ser. est. 1 tekh. nauk 5 no.6:13-26 '63. (MIRA 17:5)

MASARSKIY, S.I.; GORBUNOVA, I.V.

Seismicity of Ezungaria and the Altai-Sayan area. Trudy Inst. fiz.Zem. no.32:94-137 (4. (MIRA 18:2)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

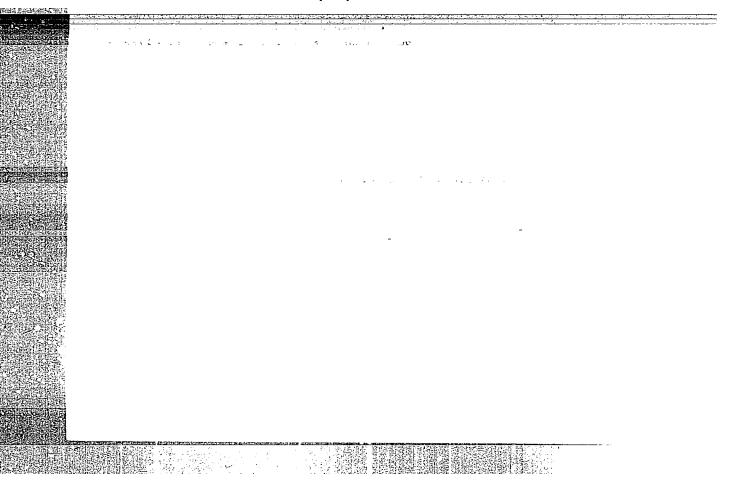
GORBUNOVA, I.V.

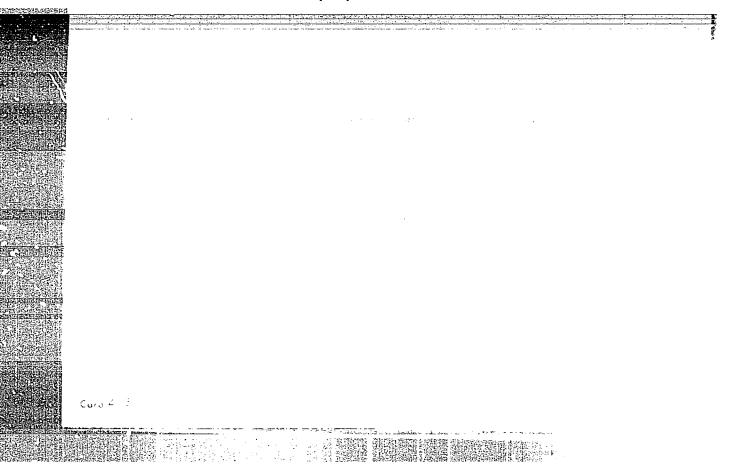
Compiling maps of seismic activity with constant precision. Trudy Inst.fiz.Zem. no.32:138-147 164.

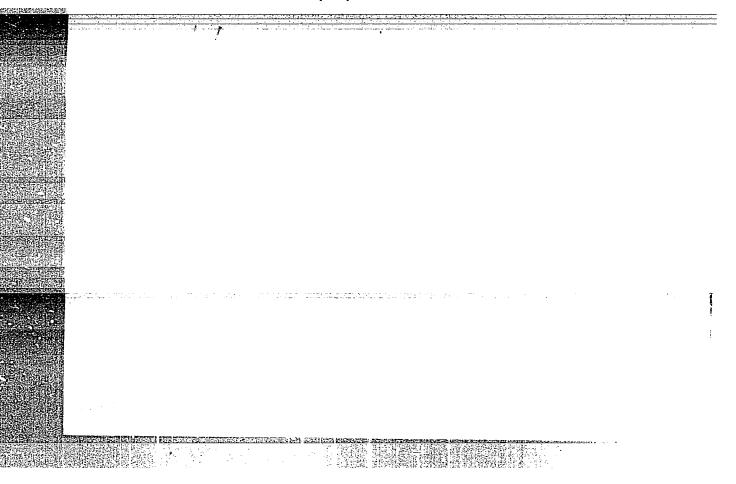
Study of the seismic regime of the Dzungarian and northern Tien Shan zones. Ibid.:148-153 (MIRA 18:2)











YATSENKO, Ye.F.; DONTSOVA, G.M.; GORBUNOVA, I.Ye.

Physicochemical properties of petroleums in the new Carpathian fields. Trudy UkrNIGRI no.7:233-241 63. (MIRA 19:1)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

GORBUNOVA, K. A. and MAKSIMOVICH, G. A.

"Burial Mounds in Molotov Province," Iz. Vses. geog. obshch., 84, No.4,

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

GORBUNOVA, K.A.

USSR/Geology - Land formations

Card 1/1

: Pub. 86 - 28/38

Authors

: Gorbunova, K. A.

Title

: Karst hole

Periodical : Priroda 43/12, 114-115, Dec 1954

Abstract

: A description is given of a sunken place in the earth's surface, known as a Karst hole, near the village of Kordon on the border between the Molotov and Sverdlov districts. The dimensions of the hole are given along with the form and character of the soil.

Illustrations.

.... Molotov State U. mr. Gorking

Submitted:

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

(SSR/Geology - Ice formations

Card 1/1

Pub. 86 - 18/37

Authors

Maksimovich, G. A., Prof., and Gorbunova, K. A.

Title

Permafrost hillocks in the Molotov District

Periodical

Priroda 44/4, 102-103, Apr 1955

Abstract

A description is given of small raised areas existing on the surface of the ground between Sour lake and the mouth of the river Sylva. Borings were made in these hillocks in the summer time and they were found to contain ice. Observations were made of their change of form during the seasons, the disappearance of some of them and the formation of others with a view to determining their cause. Map; drawings.

Institution :

.... Proloton State V. in . Gorking

Submitted

....

GORBUNOVA, K. A.

14-1-344 D

Translation from: Referativnyy Zhurnal, Geografiya, 1957, Nr 1, p. 30 (USSR)

AUTHOR:

Gorbunova, K. A.

TITLE:

Karst in certain Regions of Molotovskaya Oblast' (Karst

nekotorykh rayonov Molovovskoy oblasti)

ABSTRACT:

Bibliographic entry on the author's dissertation for the degree of Candidate of Geological and Mineralogical Sciences, presented

to Molotov University (Molotovsk. in-t) Mototov, 1956.

ASSOCIATION: Molotov University (Molotovsk.in-t)

Card 1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

15-57-10-14723

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 10,

p 225 (USSR)

AUTHORS:

Maksimovich, G. A., Gorbunova, K. A.

TITLE:

Frozen Landscape Forms at the Village of Ust'-Kishert' in the Molotovskaya Oblast' (Merzlotnyye formy rel'-

yefa v s. Ust'-Kishert' Molotovskoy oblasti)

PERIODICAL:

Uch. zap. Molotovsk. un-t, 1956, Vol 7, Nr 4, pp 51-58

ABSTRACT:

The authors describe frozen burial mounds on the first terrace above the flood plain of the Sylva River, left bank, in the region of the village of Ust'-Kishert'in the Molotovskaya Oblast'. The most typical of the group (with embryonic forms) have been described. The origin is explained in the following manner. Ground water flow, occurring at the base of the second terrace, feed the mantling sandy clays of the first terrace in summer time. Beyond the area of the mounds this water enters a small stream, which limits the district on the north. In the wintertime, the bottom part of the stream, near

Card 1/2

15-57-10-14723

Frozen Landscape Forms at the Village (Cont.)

the bed, freezes first, stopping seepage of water downward and forming a support for "perched" water. During freezing, the water migrates upward, the volume of the ground increases, and frost cracks develop in the surface of the first terrace at separate mounds. Subsequent freezing causes the mound to increase in height. It is noted that the area occupied by the mounds increased during the period from 1943 to 1946.

Card 2/2

G. A. Martynov

GORBUNOVA, K.A.

Formation of chemical composition of karst waters. Khim.geog. no.1:59-63 '61. (MIRA 16:3) (Water, Underground-Analysis)

Chemical geography of rivers in Perm Province. Khim.geog. no.1: 93-98 '61. (Perm Province—Rivers) (Perm Province—Geochemistry)

MAKSIMOVICH, G.A., prof., red.; BALKOV, V.A., dots., red.;

VASIL'YEV, B.V., dots., red.; GORBUNOVA, K.A., dots., red.; MATVEYEV, B.K., dots., red.; MIKHATLOV, G.K., inzh., red.; OBORIN, V.A., dots., red.; PECHERKIN, I.A., dots., red.; STARTSEV, V.S., dots., red.; SHIMANOVSKIY, L.A., inzh., red.

[Methods for studying karst; transactions] Metodika izucheniia karsta; trudy. Perm', Permskii gos. univ. Nos. 2, 4, 5, 10. 1963. (MIRA 17:12)

1. Vsesoyuznoye soveshchaniye po metodike izucheniya karsta.

GORBUNOVA, K.A..

Karst holes and their sediments under the river beds. Peshchery no.3:79-90. '63.

Emil G. Racovita. Ibid.:103-104

(MIRA 18:2)

MAKSIMOVICH, G.A.; GORBUNOVA, K.A.

Types of karst in the Urals. Trudy MOIP 15:33-41 (65. (MIRA 18:9)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516120002-4"

